

TPE043SGB/200710021 S00071 - Touch panel



2401607

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Rugged-Touch panel, 10.92 cm / 4.3"-TFT display (Analog resistive (GFG)), 480 x 272 pixel(s) (WQVGA), 262144 colors, Arm® Cortex®-A8, 1000 MHz, 2x USB Host 2.0, 1x COM (RS-232), 1x COM (RS-422/485), 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, TSvisiT, without bus system.

Commercial data

Item number	2401607
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCACE
GTIN	4055626284170
Weight per piece (including packing)	600 g
Weight per piece (excluding packing)	600 g
Country of origin	DE

Technical data

Product properties

Product type	Operator panel
Application	Rugged

Computer data

Processor	Arm® Cortex®-A8, 1000 MHz
Operating system	Windows® Embedded Compact 7
RAM	1 MB SRAM
	512 MB LPDDR SDRAM
Data storage system	NAND-Flash, 1 GB
Slots	1x SD

Display

Display type	10.92 cm / 4.3"-TFT
Screen resolution	480 x 272 Pixel(s) (WQVGA)
Touch technology	Analog resistive (GFG)
Display lighting type	LED
Brightness	385 cd/m² typical (adjustable)
MTBF	40000 h
Color spectrum	262144 colors
Reading angle left	75.00 °
Reading angle right	75.00 °
Reading angle top	63.00 °
Reading angle bottom	75.00 °

Interfaces

Interfaces	2x USB Host 2.0
	1x COM (RS-232)
	1x COM (RS-422/485)
Optional interfaces	none
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	without bus system

System properties

User software	TSvisIT
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Electrical properties

Service life of battery	5 years (typical)
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Supply

Power supply unit	24 V DC ±20 %
Typical current consumption	0.2 A

Real-time clock

Realtime clock	Yes
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Mounting

Mounting type	Bolt fixing
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Material specifications

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (front), IP20 (back) NEMA 4X
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-30 °C ... 80 °C
Permissible humidity (operation)	20 % ... 85 %
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

Dimensions

External dimensions

Width / Height / Depth	171 mm / 131 mm / 5 mm (Dimensions of the front plate)
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Installation dimensions

Width / Height / Installation depth	136 mm / 96 mm / 68 mm (Mounting cutout, depth with bus if bus system present in the device)
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Classifications

UNSPSC

UNSPSC 21.0	43211904
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(b), 6(b)-II, 6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-15
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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